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Two New Online Data Bases Become Operational

In November, the Library introduced two new data bases which joined MEDLINE, TOXLINE® and the rest of NLM's family of online services. Available at present to U.S. centers only, the new data bases are the "Health Planning and Administration Data Base" and the "Toxicology Data Bank." Full descriptions of the two data bases follow.

Health Planning and Administration Data Base

NLM has developed a new online citation data base devoted to literature about health care planning, organization, financing, management, manpower, and related subjects. It is known as the Health Planning and Administration Data Base, or "File Health," for short.

Initially, the file will contain relevant citations from MEDLINE journals, citations from supplementary journals selected for their emphasis on health care matters, and citations from journals selected for their value for the *Hospital Literature Index*.

The starting data base contains about 95,000 citations indexed since January 1975 and will grow at a rate of about 25,000 per year. As early as possible, citations will be added from two additional sources. The first of these will be citations to nonserial items--books, technical reports and so forth, from the Library's own CATLINE® file of NLM acquisitions.

The second step will be to include citations from the National Health Planning Information Center (NHPIC) of the Health Resources Administration (HEW). This literature is now cited in the Health Planning Series of the Weekly Government Abstracts published by the National Technical Information Service. The NHPIC component will include serial articles, books, and technical reports, some of which are available only through NTIS.

The inclusion of materials from these sources awaits the modification of our computer records and programs to permit combining serial and nonserial citations in a single data base and also converting NHPIC records which differ in bibliographic format from the NLM records.

Users of the new data base will encounter many unfamiliar serial titles, but there is a SERLINE record for each of them. Some are out-of-scope journals that contain relevent articles. The SERLINE record for each of these contains a note indicating that this title is not available from NLM. Sources of interlibrary loans for these journals will be identified.

In constructing this data base, it is recognized that there can be no clear-cut separation of the clinical from the administrative aspects of medicine. Many articles that are primarily clinical do make explicit reference to health care matters, and thus merit the assignment of one or more health care subject headings which qualify them for retrieval from MEDLINE for the new data base. It seems desirable, at least initially, to err in the direction of including marginal material rather than to prejudge the limits of the

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NATIONAL LIBRARY OF MEDICINE
NEWS

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interests of users of the new data base. By so doing we hope to minimize the occasions when a search of both data bases is necessary.

It is hoped that as users become familiar with the Health Planning and Administration data base they will send to NLM comments concerning its scope, literature coverage, terminology, and indexing.

The NLM is cooperating with the American Hospital Association to produce the new data base.

Further information may be obtained by contacting your nearest online center or from your Regional Medical Library.

Toxicology Data Bank (TDB)

The Toxicology Data Bank is designed to provide users with evaluated data or "facts" about known or potentially toxic chemicals to which people are exposed. TDB joins RTECS (Registry of Toxic Effects of Chemical Substances) as another interactive data retrieval system that will be used in addition to TOXLINE, MEDLINE, and CANCERLIT to obtain biological/toxicological information and data.

During recent years, there has been a steadily mounting concern about potentially harmful effects of chemicals on man and other biological systems. In 1976 this concern culminated in the passage of the Toxic Substances Control Act (TSCA). Concomitant with the public's growing awareness of toxic substances has come a rising demand for information about the properties, biological effects and usage of chemical substances in general. The Library's Toxicology Information Program responded to this broad range of requirements by initiating, in 1974, plans for an online, interactive data retrieval system—the Toxicology Data Bank.

The TDB is arranged by compound records that contain data fields describing chemical, physical, toxicological, and usage properties. The 60 data fields are described fully in the *TDB User Manual* which has recently been sent to all U.S. online centers. Data for the TDB can be numeric or textual and are extracted from a standard set of sources including textbooks, monographs, handbooks, and some criteria documents.

Compounds are chosen for the TDB because of known or potential toxicity and because substantial populations are exposed to them. The compounds for which data now appear in the TDB were selected primarily from hazardous substance lists compiled by government agencies. Of about 2,500 compounds originally selected for the TDB, some 1,000 are represented in the present version of the TDB with complete records. The other 1,500 are in various stages of the extraction and evaluation process and are represented in the data bank by an "initial" record showing only the name, TDB number, Chemical Abstracts Registry Number, and a statement that data extraction is in process. These substance records will be incorporated in quarterly updates of the TDB.

As far as possible, the TDB contains "evaluated" data. To this end, data are being extracted from monographs and other evaluated secondary sources rather than from primary literature. The list of approximately 80 TDB sources used is included in the *TDB User Manual.*

All TDB records are screened by a Peer Review Committee—a task group of NIH's Toxicology Study Section—that includes pharmacologists, toxicologists, and analytical chemists. Their comments, revisions, and additions are processed into the TDB records prior to inclusion of these records in the online file.

Data items for TDB records are extracted as text segments with references to the sources. The TDB, like TOXLINE, is basically a free text system. Extracts in four data fields (human toxicity, animal toxicity, laboratory methods, and interactants) also are "indexed" with main headings taken from NLM's Medical Subject Headings (MeSH) vocabulary.

Initially, the TDB will be available only from the NLM computer. During a two-month familiarization period (November and December), no charge will be made to NLM's online users for online access to the TDB. The normal NLM rates will apply for off-line printouts.

To facilitate use of the file, special TDB training sessions have been planned. Where possible, these are timed to coincide with the Regional Medical Library online services updates. In addition, several TDB training classes are being conducted at NLM. For further information, contact NLM's Toxicology Information Program (phone: 301-496-1131)

Day to Direct NTIS

Melvin S. Day has left NLM to become Director of the National Technical Information Service (NTIS) of the Department of Commerce. He had been NLM's Deputy Director since 1972.

Kent Smith, the Library's Assistant Director for Administration, has been appointed Acting Deputy Director.

A farewell party in Mr. Day's honor was held at the Library on October 19th. He began his work at NTIS on October 23rd.

In his new position Mr. Day will be responsible for directing the programs of the NTIS--the central source for the sale of government-sponsored research and development reports and other government analyses prepared by Federal agencies, their contractors, or grantees.

Mr. Day, a distinguished information scientist and administrator, was honored a number of times during his career at NLM. These honors included the NLM Director's Award (1975) and a Public Health Service Superior Service Award (1976). He had also been honored by the Venezuelan Academy of Physical, Mathematical, and Natural Sciences.

In addition to his work at NLM, Mr. Day had been President of the American Society for Information Science (ASIS), and in 1977, he was named President of ICSUAB (International Council of Scientific Unions Abstracting Board).

Kent Smith (left), the Library's new Acting Deputy Director, is shown with Melvin S. Day, the former NLM Deputy Director and now Director of the National Technical Information Service.

AIM Expands Journal Coverage

Abridged Index Medicus (AIM) is NLM's monthly list of references selected from English-language journals in clinical medicine judged to be useful to the practicing physician. Beginning in 1979 *AIM* will expand its coverage of literature to include a significant increase in the number of journals of primary interest to hospitals. *AIM* formerly included citations from 100 journals; the new total of 118 titles represents the addition of 26 titles and the deletion of 8 (see list below).

The changes are partially the result of suggestions received from subscribers who commented on AIM's coverage (*News*, June 1978). Other sources of information used by NLM for deciding on the changes included the judgments of several experienced and knowledgeable hospital librarians selected as consultants by the Library; the frequency of subscriptions by hospitals, provided by a medical subscription service; and a survey made of hospital librarians in Region IX

As announced in the September 1978 issue of the *News*, the new yearly subscription price for *AIM* is $24 ($30 foreign). Orders must be placed with the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402.

Changes in the list of journals indexed for *Abridged Index Medicus* (complete list available from NLM's Office of Inquiries):

1979 Additions

American Journal of Nursing
Anesthesia--Current Researches
Archives of Disease in Childhood
CA--A Cancer Journal for Clinicians

Clinical Orthopedics and Related Research
Critical Care Medicine
Current Problems in Surgery
Heart and Lung
Hospital Practice
Hospital Progress
Hospitals
JACEP; Journal of the American College of Emergency Physicians
Journal of Family Practice
Journal of Nursing Administration
Mayo Clinic Proceedings
Medical Clinics of North America
Modern Health Care
Neurology
Nursing Clinics of North American
Nursing Outlook
Nursing Research
Orthopedic Clinics of North America
Pediatric Clinics of North America
Radiologic Clinics of North America
Surgical Clinics of North America
Urologic Clinics of North America

1979 Deletions

Acta Medica Scandinavica
American Journal of Human Genetics
Health Services Research
Inquiry
Journal of Experimental Medicine
Journal of Investigative Dermatology
Medical Care
Milbank Memorial Fund Quarterly

NLM Grants Information System

NLM has developed a computerized management information system for the grant and contract programs authorized by the Medical Library Assistance Act (MLAA). This online system--Extramural Programs Information System (EPIS)--now regularly produces a number of program reports and provides data for answering a variety of questions.

Federal grant and contract programs, such as those authorized by the MLAA, must be able to account for and justify expenditures and document program activities. The basic record is the grant file, which contains the application, financial reports, statements of progress, correspondence, and other grant-related information. For the NLM Extramural Programs, these thousands of grant files add up to a formidable collection of material that is not easily searched by hand. It used to take hours, even days, of searching records and compiling data to find answers to such questions as how many hospital libraries in Illinois have received NLM grants, or determining the names and addresses of principal investigators for research grants awarded over the past four years. Rapid, accurate responses are now possible.

Because of varying legislative, policy, and program requirements, there are separate computer files for each of the grant programs. The files are compatible, however, so that data on a single topic such as institutions receiving awards can be extracted from records in Research, Training, or Resource Grant sections. Not all information in the grant files is stored in EPIS; the Privacy Act, for example, requires that certain information be protected.

Although the computer files may be modified at any time, generally the records are entered or revised at five major points: 1) at the time of application, 2) following initial review for scientific merit, 3) following policy review by the NLM Board of Regents, 4) at the time of a grant award, and 5) at the termination of the project. As a result, EPIS can be used to produce reports on the current status of any or all of NLM's grant programs.

EPIS produces routine and special-purpose reports for the Extramural Programs, NLM staff, and NIH management. For instance Extramural Program officers, using EPIS, are able to advise groups of hospital librarians interested in consortia about existing programs in their area. In addition, reports of review actions and listings of active grants are sent regularly to the Regional Medical Libraries, the Medical Library Association's central office, and the American Hospital Association's Division of Library Services.

EPIS has proved particularly useful in program planning and evaluation. For example, summaries of grant data have been used for evaluating the Medical Library Resource Improvement Grant program and grant supported library research activities. Currently, EPIS listings are providing data for a study of grant-related publications.

Other possible uses of EPIS are being explored. For example, the system could provide the findings of research grants to the Regional Medical Libraries which could then serve as centers for information to improve local

Rose Marie Halston, a member of NLM's Extramural Programs staff, performs a search using EPIS--an online system for managing the grant and contract programs authorized by the Medical Library Assistance Act.

library operations. Similarly, grant results about information service innovations could be disseminated to those who are responsible for training and continuing education.

Information from EPIS, when combined with other data about health science libraries, health facilities, and information needs, could create a useful resource for regional development and networking planning. Regional planners could project how improved library resources and services in an area would result in improved access to health information for the professional population served. Such data combinations could also be used to examine the efficiency and effectiveness of library networks.

For more information on EPIS, contact NLM's Division of Extramural Programs.

Grant Programs Extended

President Carter has signed into law the "Community Mental Health Centers and Biomedical Research Extension Act of 1978" (P.L. 95-622). This legislation includes authorization for a three-year extension of the Medical Library assistance Act. It also amended the "National Library of Medicine Act" to transfer authority for appointment of members of the Board of Regents from the President to the Secretary, HEW.

Under the new authorizing legislation, NLM's Division of Extramural Programs continues to administer grants for improving health sciences library resources, research and training in information sciences related to health, and for support of biomedical scientific publications. Information about NLM's grant programs is available from the Library's Office of Inquiries and Publications Management.

Satellite Links Tuskegee and George Washington U.

Allied health was the topic for a ten-part series of seminars conducted recently via NASA's Communications Technology Satellite (CTS). The purpose of the demonstration, sponsored by NLM, was to determine the cost-effectiveness of using a communications satellite to link Tuskegee Institute (Alabama) and George Washington University (Washington, D.C) for sharing resources in the area of allied health. The project was coordinated by the Booker T. Washington Foundation, which has a continuing interest in helping black colleges become involved in new technologies.

Between October 2nd and 27th, juniors and seniors enrolled in the Division of Allied Health at Tuskegee Institute participated in seminars on physical therapy, rehabilitation training, occupational therapy, and rural health conducted by professors at George Washington University and other health specialists in Washington, D.C. In addition, physicians from the John A. Andrews Hospital (located on the Tuskegee Institute campus) conducted a seminar on rural health for physicians at the George Washington University Medical College and other physicians in Washington, D.C. All of the seminars originated simultaneously from the television studios at the Veterans Administration Hospital at Tuskegee Institute and the National Library of Medicine in Bethesda.

New Appointments in Library Operations

The following appointments in Library Operations were recently announced:

Grace H. McCarn, formerly Head of the Library's MEDLARS Management Section

(MMS), had been named Chief of the Bibliographic Services Division. BDS is a major component of NLM's Library Operations Division, and includes managment of the worldwide MEDLARS network, indexing and search activities, and coordination of online training. Ms. McCarn replaces Bruno Vasta who accepted a position with the Environmental Protection Agency.

Ms. McCarn received her B.A. degree in English in 1962 from the University of Maryland. She began her career at NLM in the Technical Services Division the following year, moving to a position in the Medical Subject Headings Section in 1964. In 1967 she served on a special NLM "Task Force for New Computer Implementation," and from 1968 until her appointment as Head of the MEDLARS Management Section in 1971, served as a member of BSD's Quality Control Staff. She received her M.L.S. degree from the University of Maryland in 1971.

Ms. McCarn is listed in *Who's Who in America* and is a member of the Medical Library Association and the American Society for Information Science. She has published a number of articles in her field, and this year received a National Institutes of Health Merit Award for her distinguished service.

Dan Tonkery, formerly Head of the Selection/Acquisition Section and Deputy Chief of the Technical Services Division, has been named Chief of the Technical Services Division. TSD has the responsibility for collecting the world's biomedical literature, organizing and controlling the collection, and disseminating authoritative bibliographic information. The Division is the major supplier of cataloging data to the biomedical community through NLM's printed products and online services.

Mr. Tonkery received his M.S. in biomedical librarianship from the University of Illinois in 1970. This special graduate program was sponsored by NLM's Extramural Programs. He continued his training as a participant in the Associate Program at NLM. After completing initial assignments with the Regional Medical Library Program, he moved to the Technical Services Division in 1973 to begin a series of automation developments in acquisition. In 1977 he moved to the Deputy Chief's position where he had responsibility for the management of all automation projects in the Division as well as the Selection/Acquisition Section. While heading the acquisition section, he developed the Cataloging-in-Publication Program for medical publishers.

Mr. Tonkery is a member of the Medical Library Association, Health Science Communications Association, and the American Society for Information Science. He is a recipient of the NIH Merit Award for distinguished service.

Maxine K. Hanke has been named Director of the Region IV Regional Medical Library (DC, MD, NC, VA, WV). Carol Spencer, the former Director, will resume her full-time functions as Deputy Chief, Reference Services Division and Jackie Mikail will continue in her position as Associate Director for Region IV.

After receiving her M.L.S. from the University of Washington, she joined the staff of the National Library of Medicine in 1958 as a Library Intern. Later she gained varied experience on the staff of both intramural and extramural programs of the Library. After an eight-year leave of absence she returned to NLM in 1974 as Collection Control Officer. More recently she has also served as Coordinator of the Library Associate program.

Mrs. Hanke is an active member of local and national professional associations with a wide variety of committee assignments.

Duane W. Arenales has been appointed Head of NLM's Loan and Stack Section, Reference Services Division. She replaces Sheldon Kotzin who was named Regional Medical Library Coordinator (*News*, July-August 1978).

Mrs. Arenales came to NLM in 1971 after receiving her M.L.I.S. from the University of Maryland. She began as a library technician in the Technical Services Division's Serials Records Section, and in 1972 moved from this part-time position to accept a permanent appointment as reference librarian in the Reference Section. Later she joined the Loan and Stack Section, becoming Assistant Head in 1977.

Kentucky-Ohio-Michigan Regional Medical Library Program

by Faith Van Toll*

As the Kentucky-Ohio-Michigan Regional Medical Library (KOMRL) enters its second decade, one which begins with decreasing Federal funds and taxpayer revolt, increased emphasis will be placed on research and evaluation of existing and projected programs. While considerable planning has gone on in the past, the results of such plans have yet to be evaluated in terms of their cost/benefit. Statistics abound which quantitatively measure the success of KOMRML's document delivery program, extramural program, and data base program. These statistics along with other data will now be examined qualitatively and critically so that answers can be found to questions such as: "Are these statistics meaningful?" "Is it cost effective to continue this program?" "How can the impact of this program be measured?"

In preparation for this new direction for KOMRML, a management session was conducted for all Executive Committee members of KOMRML in early 1978. As a result of this session goals and objectives for the region were clearly stated, with specific completion dates for targetted activities. Since the session, KOMRML has adopted a new structure which includes voting membership at the Executive Committee level for state library representatives, an extramural representative, basic unit representatives, and faculty representatives. At the same time an additional input mechanism for basic units was created with the establishment of Participating Library (known in other regions as resource libraries) Advisory Committees. These committees, which are composed of basic unit representatives from local health science library organizations, regularly advise the Participating Libraries** on their services and KOMRML's programs. Supplementing the new structure is a set of by-laws which define the responsibilities and functions of Participating Libraries, the Central Office, Executive Committee, Steering Committee, Standing Committees, Special Committees and Participating Library Advisory Committees. It is hoped that the adoption of the new structure and by-laws will result in greater participation in the decision-making process at all levels as well as the implementation of new programs with built-in evaluation mechanisms.

During the past three years, an extramural program has been funded in KOMRML through an NLM grant. The community contacts and local network development that have occurred during this program exhausted available funds well before each grant year ended. Significant changes as a result of this program include the emergence of 13 local health science library organizations, the addition of 50 new MEDLINE centers in health care institutions, and the publication of a regional newsletter, *KOM KOMMENTARY*, which places priority on articles written by basic unit librarians. Current efforts focus on developing a mechanism to measure the change that occurs as a result of extramural contacts. It is hoped that such a mechanism will change the extramural funding from grant status to contract status.

In the midst of all the planning for the future and the evaluation of the past, the excellence of existing programs, staff and basic unit librarians can be overlooked--especially when excellence is an everyday occurrence! Since our own plaudits might seem a bit exaggerated, let's look at the program of the 1978 MLA convention for testimony to this excellence. From KOMRML: two academic librarians chaired Special Interest Group **Programs;** one academic librarian moderated a Special Interest Group presentation; concurrent session papers were presented by two hospital librarians and 4 academic librarians; a general session paper was presented by an academic librarian; the Ida and George Eliot Prize was won by an academic librarian.

While the structure and programs of KOMRML may continue to change, the underlying purpose of KOMRML will continue to be to provide the most effective dissemination of health science information in all its forms.

* Associate Director, Region V RML (KOMRML), Wayne State University Medical Library, 4325 Brush St., Detroit, MI 48201. This article continues a series on the RMLs begun in the June *NLM News*.

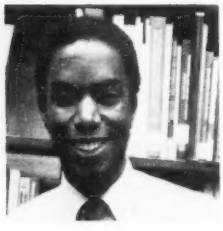
** Cleveland Health Sciences Library of the Cleveland Medical Library Association and Case Western Reserve University; Medical College of Ohio at Toledo, Medical Library; University of Louisville, Kornhauser Health Sciences Library; University of Detroit, School of Dentistry Library; Michigan State University, Science Library; Ohio State University, Health Center Library; University of Cincinnati, Medical Center Libraries; University of Kentucky, Medical Center Library; University of Michigan, Medical Center Library; Wayne State University, Medical Center Library.

NLM Associates for 1978/79

At a reception on October 26, the Library welcomed seven new NLM Associates who are beginning a year of intensive training. Their program includes a thorough orientation to all Library programs, a course in online searching, a variety of seminars, and practical experience. Individual research projects related to developing or managing information systems and services will not only contribute to the Associates' professional growth but will also be of practical value to NLM.

The seven Associates are shown below; their names are followed by their undergraduate subject major, their graduate degree, and Library school.

Susan J. Barnes (horticulture), M.L.S., University of Washington School of Librarianship.



Larry S. Ellis (English), M.S.L.S., Atlanta University.

Brenda L. Greene (psychology & special education), M.S.L.S., Pratt Institute.

Diane E. McCutcheon (psychology), M.L.S. University of Illinois at Urbana-Champaign.

Patricia R. Patterson (French & English), M.S.L.S., Syracuse University.

Barbara A. Rapp (French), M.L.S., University of Illinois at Urbana-Champaign .

Philip Wexler (mathematics/chemistry & English), M.L.S., Rutgers University.

New NLM Literature Searches

Malpractice and sterilization reversal are among the topics covered in several new Literature Searches. The Literature Search series provides bibliographies on subjects of current interest produced through searches of the MEDLINE data base. These searches are available without charge. A complete list of titles appears in each issue of *Index Medicus* and *Abridged Index Medicus*. When requesting Literature Searches, please include title and number, enclose a self-addressed gummed label, and mail to:

Literature Search Program
MEDLARS Management Section
National Library of Medicine
8600 Rockville Pike
Bethesda, MD 20014

78-25 *Audiovisual aids, programmed instruction, and computer assisted instruction in allied education.* (Updates L.S. 74-8.) May 1974 through July 1978. 125 citations.

78-26 *Sterilization reversal.* January 1974 through September 1978. 125 citations.

78-27 *The physician and malpractice.* May 1974 through September 1978. 521 citations in English.

78-28 *Malpractice in hospitals, dentistry, nursing, pharmacy, veterinary medicine and allied health professions.* May 1974 through September 1978. 242 citations in English.

78-29 *Adverse effects of prenatal exposure to Diethylstilbestrol* (DES). January 1975 through October 1978. 163 citations.

1978 Honor Awards Ceremony

Among those honored at the Library's annual Honor Awards Ceremony on November 3rd. were:

NIH Director's Award:

B. Earl Henderson, Chief, Communications Engineering Branch, Lister Hill Center: "For leadership of a nationally recognized program to develop and explore a broadband satellite communications network for information transfer in the health sciences."

David L. Kenton, Computer Specialist, Office of Computer and Communications Systems: "For significant effort in providing technical support for the MEDLINE system and for leadership in the coordination and installation of MEDLINE in four countries, thereby expanding the dissemination of medical information."

NLM Director's Award:

Clement P. Fowler, Media Services Section, National Medical Audiovisual Center: "For outstanding success in the design, direction, and coordination of the exhibit on Health Sciences Communication Technology displayed at the National Library of Medicine."

PHS Commendation Medal:

Myron J. Adams, Jr. M.D., Director, National Medical Audiovisual Center: "In recognition of unique scientific and administrative skills and creative leadership and originality which have resulted in the development of multi-media instructional packages that have improved the learning process for health professionals."

Lionel M. Bernstein, M.D., Ph.D., Director, Lister Hill Center: "In recognition of his development of a prototype computerized information transfer system for health care practitioners."

Outstanding Supervisor of Summer Employees

Carolyn N. Davis,Librarian, Technical Services Division, Library Operations: "For her keen ability and success in providing direction, encouragement, and instruction to the young summer and stay-in-school employees under her supervision."

NIH Merit Awards

Betsy L. Humphreys, Assistant Head, Serial Records Section, Library Operation: "For providing improved access to biomedical information through the design and implementation of an online serials system to handle 25,000 titles."

Grace H. McCarn, Head, MEDLARS Management Section, Library Operations: "For dedicated and effective direction of user support services for the Library's online retrieval network."

Melvin L. Spann, Chief, Biomedical Files !mplementation Branch, Specialized Information Services: "For vital leadership and creative application of technical skills in furthering the development of CHEMLINE as a major national chemical compound information retrieval service."

Equal Employment Opportunity Special Achievement

Peggy J. Beavers,Librarian, Reference Services Division, Library Operations: "For the positive influence she exerts on peers and subordinates as a result of her personal commitment to the NLM EEO program, and for her invaluable contributions to the EEO Committee."

James J. Hartman, Personnel Officer, Office of Administration: "In recognition of his sincere dedication to the principles of equal employment for all individuals, and for his progress in mediating sensitive employee-management interactions."

Melvin L. Spann, Chief, Biomedical Files Implementation Branch, Specialized Information Services: "For exceptional leadership and guidance he has provided to the EEO Advisory Committee during his tenure as chairperson. Under his direction, the Committee has developed strong, well-defined EEO objectives, the realization of which will result in a progressive, responsive EEO program for the Library."

NMAC Instructional Materials

The Library's National Medical Audiovisual Center (NMAC) has announced the release of a number of instructional materials.

A series of packages produced by the University of Colorado Medical Center and designed to aid senior level health care personnel in planning and implementing a comprehensive screening program for preschoolers has been placed in the National Audiovisual Center's sales program (NAC, General Services Administration, Washington, D.C. 20409). Titles include:

- *Preschool Articulation Screening*
- *Preschool Vision Screening*
- *Preschool Hearing Screening*
- *Planning for Pediatric Screening*
- *Introduction to the Denver Development Screening Test (DDST)*
- *The DDST--Demonstration and Review*
- *Three-Stage Development Screening*

The New York University Medical Center has produced a series of 21 videocassettes covering all aspects of forensic medicine. These titles are available for sale from NAC or for short-term loan from NMAC in Atlanta.

Other new instructional materials available for sale include:

- *Acromegaly*
- *World Within A World: The Maximum Containment Laboratory*
- *Differential Diagnosis of Oral Soft Tissue Pathosis*
- *Atherosclerosis*
- *Acute Rheumatic Fever*

Complete information about the instructional materials listed above is available from:

Carol Horton
Materials Utilization Branch
National Medical Audiovisual Center (Annex)
Atlanta, Georgia 30324
Telephone: (404) 881-2776

MeSH Publications from NTIS

The technical tools listed below may now be ordered from the National Technical Information Service, 5285 Port Royal Road, Springfield, Virginia 22161.

●*Medical Subject Headings, Annotated Alphabetic List, 1979.* PB-285-356. $15 ($3 microfiche). Includes MeSH terms, cross references, geographic headings, non-MeSH terms, check tags, tree numbers, and notes for indexers, catalogers, and online searchers.

●*Medical Subject Headings, Tree Structures, 1979.* PB-285-357. $10.50 ($3 microfiche). All Medical Subject Headings are arranged in a hierarchical manner showing relationships between broader and narrower terms.

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Change in NLM Classification Scheme

After much consideration, NLM has made a major change in the published form of the *NLM Classification*, Fourth Edition, effective immediately.

Because the subdivision of numbers by language and year did not originally take into account the impact on translation editions, the NLM Cataloging Section is eliminating the subdivision of numbers by language and only retaining the 1978- publication year break. The .4 subdivision, "Other languages, 1978- " is being totally withdrawn. Items which were classified in the .4 numbers will be reclassified. Only 65 NLM items are involved to date.

Please amend your classification accordingly. Sample changes are listed below. A complete list of all numbers involved will be contained in the 1978 *Notes for Medical Catalogers*.

4th Ed. Printed Edition			*Revision*		
QS	4	General Works	QS	4	General Works
	4.3	English language, 1978-		4.3	1978-
	4.4	Other languages, 1978-			
QS	504	General Works	QS	504	General Works
	504.3	English language, 1978-		504.3	1978
	504.4	Other languages, 1978-			
QT	25	Laboratory manuals. Experimental physiology. Technic	QT	25	Laboratory manuals. Experimental physiology. Technic
	25.3	English language, 1978-		25.3	1978
	25.4	Other languages, 1978-			
WK	100	Endocrine Glands (General)	WK	100•	Endocrine Glands (General)
	100.3	English language, 1978		100.3	1978-
	100.4	Other languages, 1978-			

Recognizing that this change will be an inconvenience for many librarians, the revision is being announced as early as possible in order to minimize its impact. In addition, this change is more consistent with subdivision breaks in Library of Congress classification schedules. Our change enables libraries to have a more consistent policy across class schemes rather than having one subdivision for LC numbers and another for NLM numbers.

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●*Permuted Medical Subject Headings, 1979.* PB-286-393. $9 ($3 microfiche). A computer-generated display of all terms in the alphabetic list of Medical Subject Headings for 1979, as well as all citation type, check tag, and geographic descriptors in the *Annotated Alphabetic MeSH, 1979. Permuted MeSH* takes each significant word that appears in each *MeSH* term and then lists all the *MeSH* terms in which that word appears.

NLM Serial Gap List

NLM is soliciting the help of the medical library community in filling gaps in our serial collections. If you can provide any of these items we would be most grateful. Please address them to:

National Library of Medicine
TSD—GAPS
8600 Rockville Pike
Bethesda, MD 20014

Health Careers Exchange Nos. 3, 4, 5, 6
Health Insurance Review 56: 6, 1963
Health Insurance Underwriter 12: 1, 1963; 18: 11, 1967; 20:2, 1969; 27: 8, 1977
Health Issues on Capitol Hill 1: 1-8, 1976
Health Lawyers News Report 1: 6-12, 1973
Health Perspectives 1: 1,2,8; 2: 1. 1975
Health Planning and Manpower Reports 1: 2-24, 1976
Health Rights News 1: 1967; 2; 3; 4; 5; 6: 1-2, 1973; 7: 1, 1974
Health Sciences Information Series 1: 1-5
Health Sciences TV Bulletin 2: 4, 1965; 8: 2, 1971
Hearing Aid Journal 26: 1,2, 1973
Hearing Instruments 27: 7, 1977
Journal -Helene Fuld Health Foundation (Jersey City) Nos. 349, 350, 357 (1962); 369, 381, 390, (1963); 410, 414, 415, 419, 422 (1964)
London Clinic Medical Journal 1: 2, 1960; 2: 2, 1961; 3: 2, 1962; 10: 2, 1969; 12: 2, 1971
Nurse-Faculty Census 1964, 1968, 1971, 1973, 1975, 1977
Psychiatric Opinion Spring, 1965
Psychiatry and Medical Practice Bulletin 4: 6, 1966; 5: 1,5, 1967; 6: 1, 1968; 7: 2,4, 1969
Psychoanalytic Study of the Child 18: 1963
Psychobiology of Visual Behavior 2: 8, 1970
Psychodrama (and Group Psychotherapy Monographs) Nos. 32, 43

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- Howertine Farrell-Duncan, Librarian, Reference Services Division
- Mary Railsback, Secretary, Extramural Programs
- Betty Rothfield, Clerk-Stenographer, Office of Computer and Communications Services

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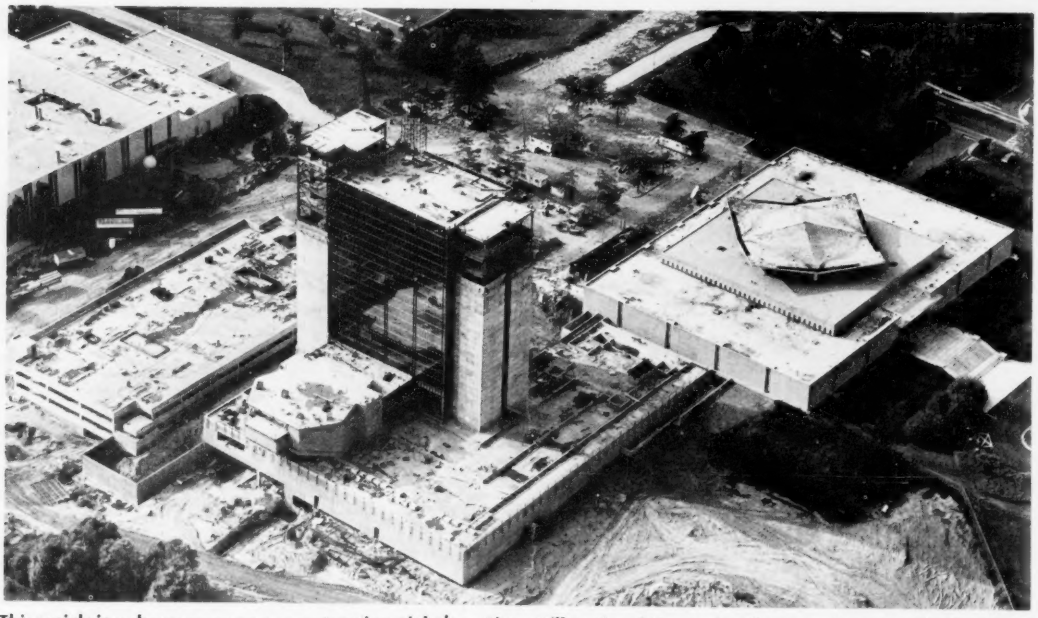

This aerial view shows progress on construction of the new Lister Hill National Center for Biomedical Communications. Current plans call for occupancy by September 1979.

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